

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S54	140528	piezoelectric	US-PGPUB; USPAT	OR	ON	2010/07/15 11:33
S55	60887	piezoelectric and liquid	US-PGPUB; USPAT	OR	ON	2010/07/15 11:33
S56	15669	piezoelectric and liquid and (o-ring o adj ring elastic)	US-PGPUB; USPAT	OR	ON	2010/07/15 11:34
S57	15670	(pqc piezoelectric) and liquid and (o-ring o adj ring elastic)	US-PGPUB; USPAT	OR	ON	2010/07/15 11:36
S58	8705	(pqc piezoelectric) and liquid and (o-ring o adj ring elastic) and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:36
S59	8	(pqc piezoelectric) with first adj position and liquid and (o-ring o adj ring elastic) and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:36
S60	86562	("0000436").PN. or ("422").CLAS.	US-PGPUB; USPAT	OR	OFF	2010/07/15 11:40
S61	2222	S60 and (pqc piezoelectric)	US-PGPUB; USPAT	OR	ON	2010/07/15 11:40
S62	1307	S60 and (pqc piezoelectric) and cell	US-PGPUB; USPAT	OR	ON	2010/07/15 11:40
S63	194	S60 and (pqc piezoelectric) and flow adj cell	US-PGPUB; USPAT	OR	ON	2010/07/15 11:40
S64	0	S60 and (pqc piezoelectric) near2 insert\$4 and flow adj cell	US-PGPUB; USPAT	OR	ON	2010/07/15 11:42

S65	2	S60 and (pqc piezoelectric) with insert\$4 and flow adj cell	US-PGPUB; USPAT	OR	ON	2010/07/15 11:43
S66	32	S60 and (pqc piezoelectric) with insert\$4	US-PGPUB; USPAT	OR	ON	2010/07/15 11:43
S67	9	S60 and (pqc piezoelectric) with insert\$4 and (pqc piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:43
S68	0	S60 and (pqc piezoelectric) with seal\$4 with (o-ring elastic) and (pqc piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:51
S69	0	S60 and (pqc piezoelectric) with seal\$4 with (o-ring elastic) and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:52
S70	15	S60 and (pqc piezoelectric) with seal\$4 and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 11:59
S71	9	S60 and (pqc qcm piezoelectric) with insert\$4 and (pqc qcm piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:01
S72	44	("2385896"   "3307052"   "3495105"   "3727084"   "4365515"   "4604543"   "4658650"   "4728844"   "5130257"   "5334303"   "5507178"   "5616872"   "5705399"   "5723773"   "5757104"   "5789846"   "5817921"   "5852229"   "5866798"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/15 12:02

		"5869748"   "5920007").PN. OR ("6196059").URPN.				
S73	34	S72 and (pqc qcm piezoelectric)	US-PGPUB; USPAT	OR	ON	2010/07/15 12:04
S74	75	(pqc qcm piezoelectric) with insert\$4 with seal\$4 and (pqc qcm piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:09
S75	4	(pqc qcm piezoelectric) with insert\$4 with seal\$4 and (pqc qcm piezoelectric) with electrode and (capillary microfluid \$4)	US-PGPUB; USPAT	OR	ON	2010/07/15 12:10
S76	10	(US-20060141608-\$). did. or (US-6196059- \$ or US-4244044-\$ or US-4548514-\$ or US-6029500-\$ or US- 5494639-\$ or US- 5705399-\$ or US- 5817921-\$ or US- 5852229-\$ or US- 5866798-\$).did.	US-PGPUB; USPAT	OR	OFF	2010/07/15 12:19
S77	2	S76 and (pqc qcm piezoelectric) with insert\$4 and (pqc qcm piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:20
S78	7	S76 and (pqc qcm piezoelectric) and (pqc qcm piezoelectric) with electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:20

S79	44	("2385896"   "3307052"   "3495105"   "3727084"   "4365515"   "4604543"   "4658650"   "4728844"   "5130257"   "5334303"   "5507178"   "5616872"   "5705399"   "5723773"   "5757104"   "5789846"   "5817921"   "5852229"   "5866798"   "5869748"   "5920007").PN. OR ("6196059").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/15 12:23
S80	27	S60 and (pqc piezoelectric) with (o-ring elastic) and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:27
S81	31	S60 and (pqc piezoelectric) with (o-ring elastic gasket) and electrode	US-PGPUB; USPAT	OR	ON	2010/07/15 12:28
S82	4	S60 and (pqc piezoelectric) with (o-ring elastic gasket) and electrode not S80	US-PGPUB; USPAT	OR	ON	2010/07/15 12:36
S83	4149	(pqc piezoelectric) with (o-ring elastic gasket) and electrode not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:36
S84	114	(pqc piezoelectric) with insert\$4 with (o- ring elastic gasket) and electrode not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:37
S85	25	(pqc piezoelectric) with insert\$4 with (o- ring elastic gasket) and electrode and channel not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:37

S86	172	(pgc piezoelectric) near2 (o-ring elastic gasket) and electrode and channel not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:38
S87	3	(pgc piezoelectric) near2 (o-ring gasket) and electrode and channel not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:38
S88	1	(pgc piezoelectric) near2 (o-ring elastic gasket) near2 seal\$4 and electrode and channel not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 12:39
S89	1	(pgc piezoelectric piezo) near2 (o-ring elastic gasket) near2 seal\$4 and electrode and channel not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 13:04
S90	8	(pgc piezoelectric piezo) near2 (o-ring elastic gasket) near2 seal\$4 not S81	US-PGPUB; USPAT	OR	ON	2010/07/15 13:04
S91	26	("4361026"   "4636678"   "4814658"   "4837476"   "4918349"   "4965479"   "5076094"   "5111168"   "5117146"   "5187980"   "5220234").PN. OR ("5321331").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/15 13:15
S92	25	S91 and (piezoelectric piezo)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/15 13:15
S93	3	S91 and (piezoelectric piezo) and (o-ring o adj ring gasket)	US-PGPUB; USPAT; USOCR	OR	ON	2010/07/15 13:15

7/ 15/ 2010 10:23:23 PM

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